

Access DB# 92890

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: SUDHAKAR MITEL Examiner #: 77018 Date: 4/30/93
Art Unit: 1624 Phone Number 308 4701 Serial Number: 15349228
Mail Box and Bldg/Room Location: CM 1 DE 1 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: DERIVED DIAZENIUM DI-LATIS, COMPO. A. VESTH. 74
AM DINI - 4 ENAMINE
NOVEL NITRIC OXIDE-RELAXING

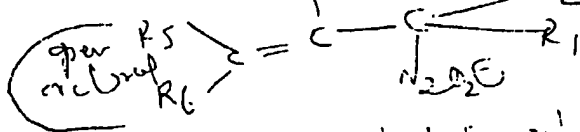
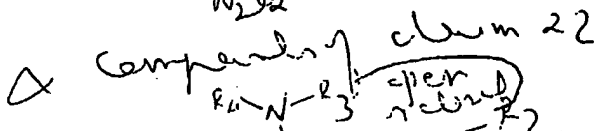
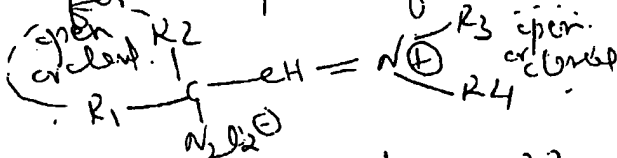
Inventors (please provide full names):

HRAJIE et al

Earliest Priority Filing Date: 7/3/1997

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Need info @ chem. / compositions & use
NO Synthesis
for compounds of claim 21



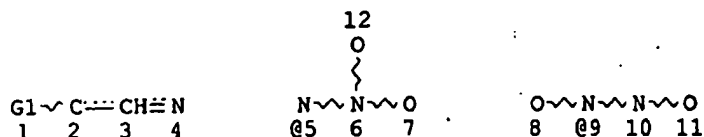
need d this help to be used in CAPLUS A
POINT OF CONTACT:
PAUL SCHULWITZ
TECHNICAL INFO. SPECIALIST
308 4966 TEL. (703) 305-1954

STAFF USE ONLY

STAFF USE ONLY	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN <u>152932</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
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Date Searcher Picked Up: <u>5/1</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>5/1</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>30</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>76</u>	Other _____	Other (specify) _____

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L25 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:502352 HCAPLUS

DOCUMENT NUMBER: 135:256880

TITLE: DFT studies for the substituent effect on the
Diels-Alder reaction of 1,4-diaza-1,3-butadienes

AUTHOR(S): Lee, Gab-Yong

CORPORATE SOURCE: Department of Chemistry, Catholic University of Taegu,
Kyongsan, 712-702, S. Korea

SOURCE: Journal of the Korean Chemical Society (2001), 45(3),
207-212

CODEN: JKCSEZ; ISSN: 1017-2548

PUBLISHER: Korean Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: Korean

AB DFT calcs. have been performed on several substituted
1,4-diaza-1,3-butadienes (1,4-DABs) with electron donating and withdrawing
groups at the terminal two nitrogens to investigate the reactivity of
Diels-Alder reaction with acrolein. The calcd. FMO (frontier MO) energies
for the optimized 1,4-disubstituted-1,4-DABs have been used to explain
both normal and inverse electron demand Diels-Alder reactions. It is
shown that the electron donating and withdrawing substituents lead to the